

Bolt to Nut

Socket Size - Comparison chart

Avoid getting all the way to the workface only to find out you've got the wrong socket!

Let us help you plan your job... this handy chart gives you all the information you need to put together your bolting tool kit for any job from 12mm (1/2in) to 125mm (5in) bolts.

| Stud Size (mm) | Bolt Head Hexagon A/F (mm) | Stud Size (in) | Nut A/F Heavy Hex (in) | Stud Size (in) | Nut A/F Std Series (in) | Stud Size (mm) | Bolt Head Hexagon A/F (mm) | Stud Size (in) | Nut A/F Heavy Hex (in) | Stud Size (in) | Nut A/F Std Series (in) |
|----------------|----------------------------|----------------|------------------------|----------------|-------------------------|----------------|----------------------------|----------------|------------------------|----------------|-------------------------|
| 12 | 18 | | | 1/2 | 3/4 | | | 2 1/4 | 3 1/2 | | |
| | | 1/2 | 7/8 | | | 60 | 90 | | | | |
| 16 | 24 | | | 5/8 | 15/16 | 64 | 95 | | | 2 1/2 | 3 3/4 |
| | | 5/8 | 1 1/16 | | | | | 2 1/2 | 3 7/8 | | |
| 20 | 30 | | | 3/4 | 1 1/16 | 68 | 100 | | | | |
| | | 3/4 | 1 1/8 | | | 72 | 105 | | | 2 3/4 | 4 1/8 |
| 24 | 36 | | | 7/8 | 1 5/16 | | | | | 3 | 4 1/2 |
| | | 7/8 | 1 7/16 | | | 80 | 115 | | | | |
| 27 | 41 | 1 | 1 5/8 | 1 | 1 1/2 | | | 3 | 4 5/8 | | |
| | | | | 1 1/8 | 1 11/16 | | | 3 1/4 | 5 | 3 1/4 | 4 7/8 |
| 30 | 46 | 1 1/8 | 1 13/16 | 1 1/4 | 1 7/8 | 90 | 130 | | | 3 1/2 | 5 1/4 |
| | | | | 1 3/8 | 2 1/16 | | | 3 1/2 | 5 3/8 | | |
| 33 | 50 | 1 1/4 | 2 | | | 95 | 135 | | | 3 3/4 | 5 3/8 |
| | | | | 1 1/2 | 2 1/4 | 100 | 145 | | | | |
| 36 | 55 | 1 3/8 | 2 3/16 | | | | | 3 3/4 | 5 3/4 | 4 | 6 |
| | | | | 1 5/8 | 2 7/16 | 110 | 155 | | | | |
| 39 | 60 | 1 1/2 | 2 3/8 | | | | | 4 | 6 1/4 | | |
| | | | | 1 3/4 | 2 5/8 | | | | | 4 1/4 | 6 3/8 |
| 42 | 65 | 1 5/8 | 2 9/16 | | | 120 | 170 | | | 4 1/2 | 6 3/4 |
| | | | | 2 | 3 | | | 4 1/2 | 6 7/8 | | |
| 45 | 70 | 1 7/8 | 2 15/16 | | | 125 | 180 | | | | |
| | | 2 | 3 1/8 | | | | | 4 3/4 | 7 1/4 | 4 3/4 | 7 1/8 |
| 52 | 80 | | | | | | | | | 5 | 7 1/2 |
| 56 | 85 | | | 2 1/4 | 3 3/8 | | | 5 | 7 5/8 | | |

- Notes:
1. Metric Bolts often have a higher nut size than the hexagon head stated here.
 2. Heavy Hex Nuts are nominally 1D high, Std Nuts are 0.8D High.
 3. Petrochemical Industries normally use Heavy Hex Series. Construction and Mining vary between the 2 versions.